



PATENT
37310-000125/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **Sungho JIN et al.**

Conf: **1494**

Serial No.: **09/338,520**

Group: **2879**

Filed: **June 23, 1999**

Examiner: **T. Clove**

For: **CATHODE WITH IMPROVED WORK FUNCTION AND METHOD
FOR MAKING THE SAME**

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

November 22, 2002

Sir:

Responsive to the Office Action mailed **August 22, 2002**, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE CLAIMS

Please amend the following claims:

17. (Amended) The thermoionic cathode of claim 1, wherein said buffer is an alloyed buffer.

20. (Amended) The thermoionic cathode of claim 1, wherein said buffer includes at least two of Re, Ta, C, Hf, Tc, Os, and Ru.

Please type a plus sign (+) inside this box → ☐**TRANSMITTAL
FORM**

To be used for all correspondence after initial filing)

Total Number of Pages in This Submission

8

Application Number

09/338,520

Filing Date

June 23, 1999

First Named Inventor

Sungho JIN et al.

Group Art Unit

2879

Examiner Name

T. Clove

Attorney Docket Number

37310-000125/US

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☒ Amendment / Response☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to
Group☐ Appeal Communication to Board of
Appeals and Interferences☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s)
(please identify below):

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm
or
Individual name

Harness, Dickey & Pierce, P.L.C. Gary D. Yacura

Reg. No.
35,416

Signature

Date

November 22, 2002

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.

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Date